IN THE CLAIMS:

Please amend the claims as follows (all claims listed):

1. (Original) A graphics device comprising:

a mechanism to receive a plurality of data requests in a particular order;

a multipurpose buffer mechanism to simultaneously monitor a status of said plurality of data requests; and

a mechanism to output responses to said plurality of data requests in said particular order.

- 2. (Original) The graphics device of claim 1, wherein said multipurpose buffer mechanism maintains information regarding said plurality of data requests to a plurality of memory locations.
- 3. (Original) The graphics device of claim 1, wherein said multipurpose buffer mechanism comprises an age counter section and a buffer control section.
- 4. (Original) The graphics device of claim 3, wherein said age counter section comprises a plurality of shift registers each corresponding to one of said plurality of data requests.
- 5. (Original) The graphics device of claim 3, wherein said buffer control section identifies a status of each of said plurality of data requests.
- 6. (Original) The graphics device of claim 3, wherein said multipurpose buffer mechanism determines an age of said plurality of data requests stored in said multipurpose buffer mechanism.
- 7. (Original) The graphics device of claim 6, wherein said age is determined based on said age counter section.

8. (Original) A system to process a plurality of data requests, said system comprising:

a plurality of memory locations each to store data; and

a multipurpose buffer mechanism to maintain an ordering of said data requests to said plurality of memory locations and data responses from said plurality of memory locations.

- 9. (Original) The system of claim 8, wherein said multipurpose buffer mechanism simultaneously maintains information regarding said plurality of data requests.
- 10. (Original) The system of claim 8, wherein said multipurpose buffer mechanism comprises an age counter section and a buffer control section.
- 11. (Original) The system of claim 10, wherein said age counter section comprises a plurality of shift registers each corresponding to a different one of said plurality of data requests.
- 12. (Original) The system of claim 10, wherein said buffer control section identifies a status of each of said plurality of data requests.
- 13. (Original) The system of claim 10, wherein said multipurpose buffer mechanism determines an age of said plurality of data requests in said multipurpose buffer mechanism.
- 14. (Original) The system of claim 13, wherein said age is determined based on said age counter section.
- 15. (Original) A computer graphics system comprising a device to handle a requests to different memory agents based on an age mechanism.

- 16. (Original) The computer graphics system of claim 15, wherein said plurality of data requests are received from a graphics engine.
- 17. (Original) The computer graphics system of claim 16, wherein said device comprises a multipurpose buffer mechanism that maintains an order of said data requests to said different memory agents when providing responses back to said graphics engine.
- 18. (Original) The computer graphics system of claim 17, wherein said multipurpose buffer mechanism simultaneously maintains information regarding said plurality of data requests.
- 19. (Original) The computer graphics system of claim 17, wherein said multipurpose buffer mechanism comprises an age counter section corresponding to said age mechanism and a buffer control section.
- 20. (Original) The computer graphics system of claim 19, wherein said age counter section comprises a plurality of shift registers each corresponding to a different one of said plurality of data requests.
- 21. (Original) The computer graphics system of claim 19, wherein said buffer control section identifies a status of each of said plurality of data requests.
- 22. (Original) The computer graphics system of claim 19, wherein said multipurpose buffer mechanism determines an age of operations stored in said multipurpose buffer mechanism.
- 23. (Original) The computer graphics system of claim 22, wherein said age is determined based on said age counter section.
 - 24. (Original) A method of obtaining data for a graphics engine comprising: receiving a plurality of data requests in a particular order;

obtaining data regarding said plurality of data requests from a plurality of memory devices; and

returning responses of said plurality of data request to said graphics engine in said particular order.

- 25. (Original) The method of claim 24, wherein obtaining said data comprises monitoring a status of a plurality of operations regarding said plurality of data requests.
- 26. (Original) The method of claim 24, wherein obtaining said data comprises maintaining an age counter for said plurality of data requests.
- 27. (Original) The method of claim 26, wherein obtaining said data further comprising determining an oldest age for said plurality of data requests.
 - 28. (Original) A method comprising:

receiving a plurality of data requests from a graphics engine;

simultaneously monitoring a status of each of said data requests to a plurality of memory locations; and

returning data to said graphics engine from said plurality of memory locations.

- 29. (Original) The method of claim 28, wherein simultaneously monitoring comprises utilizing an age counter mechanism for said plurality of data requests.
- 30. (Original) The method of claim 29, wherein utilizing said age counter mechanism comprises determining an oldest age for said plurality of data requests.
- 31. (Original) The method of claim 30, wherein utilizing said age counter mechanism further comprises performing said one of said plurality of requests based on said determined oldest age.